

Friday October 10, 2025
7pm - AT PACIFICON !

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THIS MONTH - AT PACIFICON !

The Open Research Institute

by Michelle Thompson, W5NYV

The Open Research Institute (ORI) is a California-based 501(c)(3) nonprofit advancing open-source digital radio communications through collaborative international research and development. Founded in 2019 to provide a modern, effective, and ethical space for amateur radio digital communications work, ORI has evolved into a comprehensive platform supporting open-source digital radio across all applications.

This presentation covers ORI's organizational structure, key projects include the award-winning Ribbit protocol, an award-winning MSK modem, RFBtBanger QRP kit, Haifuraiya satellite communications system, and the innovative Opulent Voice digital voice protocol.



Our in-person meeting will be held at PACIFICON at the San Ramon Marriott Hotel in Bishop Ranch Salon E; no PACIFICON ticket is required to attend our meeting

The meeting will also be held virtually, via the Zoom video system. The meeting access ID and password will be distributed via groups.io email announcement.



We have many accomplished and experienced club members. After all, we are an ARRL Special Service Club! The club is looking for amateur radio or communications topics that you or someone you know could present at a future club meeting.

An alternative might be several short presentations on different topics made by multiple persons.

Please direct your suggestions to info@mdarc.org.

Your contribution is vital for the continued success of MDARC. We are eager to hear from you!

ALL MEMBERS ARE INVITED TO JOIN THE FREE CLUB E-MAIL GROUP AT:

<https://groups.io/g/MDARC>

Mount Diablo Amateur Radio Club W6CX
P.O. Box 23222 Pleasant Hill, CA 94523
(925) 288-1730 info@mdarc.org

The Carrier is a monthly publication of the Mount Diablo Amateur Radio Club (MDARC). It is the policy of the editor to publish all material submitted by the membership provided such material is in good taste, relevant to amateur radio and of interest to MDARC members, and provided space is available.

President - Larry Bradley, KK6QPE
Vice President - Michael Papp, WB6GJE
Secretary - Brian Lotter, KM6NGS
Treasurer - Barbara Whysong, K6WHY
Emergency Coordinator - Larry Loomer, KI6LNB

Directors At Large
 Trevor Hall, WA6JAU Cal Vasquez, K6VT
 Mark Fehlig WA6NGC Mike Warren, W6MEW

Membership Chair - Jan Kulisek, KM6NFC
 mdarcmembership@mdarc.org

PACIFICON 2025

Chair: Julie Mah, WJ8MAH
Registration: Jim Marchetti, KD7G
Treasurer: Barbara Whysong, K6WHY
Secretary: Jeff Mah, N8MAH

COMMITTEE CHAIRS AND COORDINATORS

Annual Auction - **vacant**
Communications Trailer - Mike Warren, W6MEW
Communications Van MDARC-1 - Jim Tittle, K6SOE
Digital Media - Grant Bowman, K6CBK
Education & Training - **vacant**
Field Day - Larry Loomer, KI6LNB
Good & Welfare - Diana Sage, KA6TZU
Holiday Dinner - Misa Siemons, KJ6BUE
License Testing - Larry Loomer, KI6LNB
Outreach - Dick Wade, WM6G
Programs - Michael Papp, WB6GJE
Public Service - Larry Loomer, KI6LNB
Radio Equipment Lending - Cal Vasquez, K6VT
Refreshments - Elizabeth Styles, KG6HLV
Scholarship - Janice Fujii, KG6VTD
Technical Committee - Jim Tittle, K6SOE
Volunteer Classes - Dick Wade, WM6G
W6CX Repeater Trustee - Jim Tittle, K6SOE
W6LGW Callsign Trustee - Larry Loomer, KI6LNB

The Carrier Newsletter
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Digital Amateur Television Help and Information:
 Fred Coe, WB6ASU wb6asu@icloud.com

In Memoriam Paul Howes, WA6GY



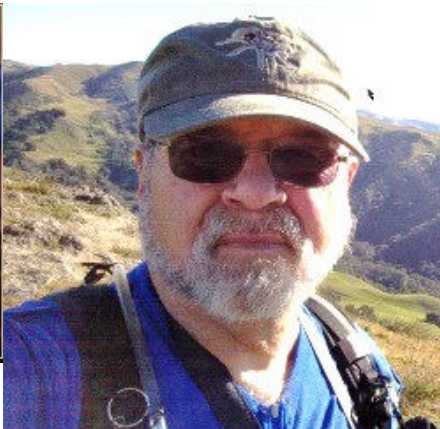
WA6GY at the 2009 MDARC Holiday Dinner (N4DLA photo)

Longtime club member Paul Howes, WA6GY, passed away on the evening of Sunday October 5, 2025. Paul and his late wife Marilyn ran the popular and successful PACIFICON antenna seminar for many years. He was also on our amateur television repeater.

I knew Paul for over 48 years. He will be missed.

— Trevor Hall, WA6JAU

President's Message



MDARC Family,

I am writing this while visiting my dad and brother on the Oregon Coast, so expect a short message.

We need members like you to step up and nominate yourself or somebody else to sit on the 2026 MDARC Board. Serving on the Board is not a hard or difficult job, but Board members serve an important role in the governance of our Club.

Nominations should be forwarded to one of the Election Committee members so that person can be on the ballot. The only requirement is that the nominee be a current MDARC member in good standing. A current member is one who has paid their 2025 membership dues or renewed for 2026.

Nominations are open now until October 31 and will be closed afterwards. Since write-in candidates are not permitted, all candidates must be known by October 31.

Voting will start shortly after November 1st and will be done electronically and is based on the email addresses that appear in the MDARC Membership database. We will be using a new voting systems this year, Election Buddy, which we tested last year and found very suitable for our needs. **(SEE NEXT PAGE)** When you receive a notification from Election Buddy there will be instructions on how to submit your voted. You will know that you are not receiving a spam email because the sender will show as:

MDARC<invitations@mail.electionbuddy.com>

ELECTION COMMITTEE

Barb Whysong, K6WHY	bwhysong@gmail.com
Benjo Sevilla, KA6BJS	ka6bjs@gmail.com
Larry Bradley, KK6QPE	Kk6qpe@gmail.com

Note: I announced at the October Board Meeting that I will not be running as Club President for 2026.

Did you sign up for Pacificon? If not, do it soon. Lots of vendors and forums to visit. Consider being a volunteer to help make for an even more successful event. See <https://www.pacificon.org> for details on the best ham radio convention in the Western United States since 1920.

Fri - Sun, Oct 10-12, 2025

REGISTRATION IS OPEN ! <https://www.pacificon.org/registration>
73,

10/02/25

Larry Bradley, KK6QPE

CLUB OFFICES

Title
President
Vice President
Secretary
Treasurer
Emergency Coordinator
Director at Large
Director at Large



ELECTION TIME !

It's MDARC election time! This year we are using an electronic application called Election Buddy that will let you vote on your phone or PC.

We are a unique Club with over 300 members that provides many activities and opportunities to participate in our hobby. At this time of the year, you have the opportunity to elect officers to the Board of Directors who are charged with providing direction to the Club and overseeing its finances. Board members are volunteers who are willing to serve for one or two years.

The Election Committee, responsible for conducting the election, will accept nominations for the following Board officers until October 31st. After that date, the ballot is closed. An email from ElectionBuddy will then be sent to current members. You will recognize that this is a legitimate email coming from MDARC because the email Sender will show as MDARC<invitations@mail.electionbuddy.com>. Take the time to read the candidate statements as well as the voting instructions and then make your selections and submit your ballot. It's Easy!

After voting you will receive an email confirmation that your vote has been submitted. Election results will be announced at the MDARC General Membership Meeting in November.

Here are the Board positions:

Position Term

President 1 year

Vice President 1 year

Secretary 1 year

Treasurer 1 year

Emergency Coordinator 1 year

Director at Large 2 years

Director at Large 2 years



Consider nominating yourself or checking with somebody else about nominating them for one of these positions. Please contact a member of the Election Committee to submit nominations or ask questions.

On behalf of the Election Committee, thank you for your participation in this most important activity!

Barb Whysong, K6WHY bwhysong@gmail.com

Benjo Sevilla, KA6BJS ka6bjs@gmail.com

LarryB, KK6QPE kk6qpe@gmail.com

PACIFICON VOLUNTEERS NEEDED !

Do you love amateur radio? Do you want to be part of PACIFICON? If you're looking for an opportunity to meet others with the same passion for radio as you, or you are interested in learning more, then consider volunteering for one of California's largest Amateur Radio conventions. You don't need to know Morse Code, or have years of experience as an amateur radio operator to help make PACIFICON a success this year.

Volunteer Opportunities during the convention range from security, guest registration, kit building, and much more.

All volunteers must pay for their attendance badge in advance. If you volunteer four (4) hours, verified by your chair, you can get a reimbursement *after* the event.

If you can help, please click on the link below:

<https://www.pacificon.org/registration/volunteers>

Would you like to represent our club at PACIFICON?

Check out the link below:

<https://www.mdarc.org/activities/pacificon-table>



PACIFICONSM 2025

ARRL Pacific Division Ham Radio Convention
Produced by the Mount Diablo Amateur Radio Club

PACIFICON²⁵ M D A R C
SAN RAMON CA
AMATEUR RADIO CONVENTION

MOUNT DIABLO
W6CX
AMATEUR RADIO CLUB
WWW.MDARC.ORG

PACIFICONSM 2025



All Day Friday
Antenna Seminar

Saturday Breakfast
with Gordon West

QRP activities return

Friday evening
MDARC Meeting



Latest
Ham Radio
Equipment for Sale

Ham License Testing

Get-On-The-Air
Special Events Station



ARRL PACIFIC DIVISION HAM RADIO CONVENTION

*Experience three great
days of activities at Pacificon!!*

Produced by the Mt. Diablo Amateur Radio Club

October 10, 11 & 12, 2025
San Ramon Marriott
2600 Bishop Drive
San Ramon, California 94583

**GENERAL ADMISSION:
\$35 IN ADVANCE - FOR ALL 3 DAYS!**

*Tickets at the door will cost \$45; 17 years old & under are free;
College Students with valid student ID (25 & under): \$5*

*** Some events have additional cost ***

If you need hotel accommodations
either reserve your room on-line through
www.pacificon.org, or call Marriott Hotel Reservations
at 925-867-9200, by Sept 17, 2025 (per availability)
to ask for the Special Pacificon rate of \$174/night

**Go to the Pacificon Website for
Events - Schedules - Registration
WWW.PACIFICON.ORG**

*** Events are subject to change - check website **
For current "Pacificon Rules and Policies" see website*



Outstanding
Technical Forums

Sunday
Swap Meet

Electronics
Kit Building

Scouts-On-The-Air &
Merit Badge Class

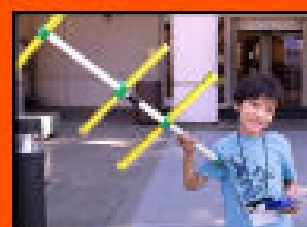


Gordon West's
Ham Instructor Academy

Saturday Banquet
with Keynote Speaker

One Day Technician
License Prep Class

T-Hunts!
Saturday & Sunday



PUBLIC SERVICE EVENTS

Diablo Summit Stomp

Saturday, October 18, 2025

Running Race from Castle Rock Park, Walnut Creek, CA

Radio Coordinator: Larry Loomer, KI6LNB <larylloomer@yahoo.com>

Brazen Racing <https://brazenracing.com/summitstomp/>

Lake Chabot Trail Run

Saturday, November 8, 2025

Running Race in the Oakland Hills

Radio Coordinator: Larry Loomer, KI6LNB <larylloomer@yahoo.com>

<https://runsignup.com/Race/CA/CastroValley/LakeChabotTrailRun>



The poster is enclosed in a thick orange border. In the top right corner, there is a QR code. The main text 'Get Ready to Shake Out.' is prominently displayed in the center-left, with 'Get Ready to' in blue and 'Shake Out.' in orange. Below this text are three square icons: the first shows a person dropping to the ground with the word 'DROP!' below; the second shows a person in a low crouch with the word 'COVER!' below; the third shows a person holding onto a table with the words 'HOLD ON!' below. At the bottom left, the date 'October 16, 2025' is written in blue. At the bottom right, the 'Shake Out' logo is shown in blue, with a small trademark symbol. At the very bottom, the text 'Register at ShakeOut.org' is written, with 'ShakeOut.org' in orange.

Get Ready to Shake Out.

DROP! COVER! HOLD ON!

October 16, 2025

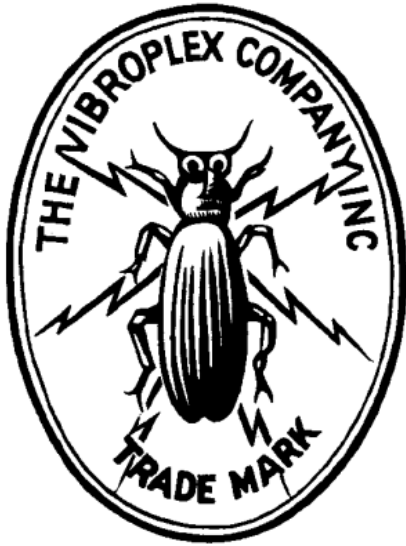
Shake Out

Register at **ShakeOut.org**

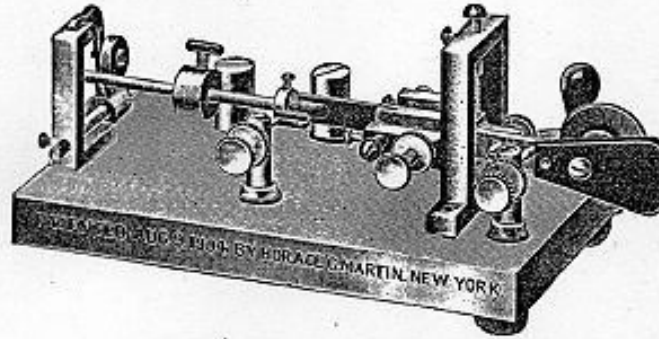


W6SFM

Samuel F. Morse Amateur Radio Club
(SFMARC) Sacramento, CA



MARTIN'S VIBROPLEX The Perfect Transmitter



Operated without a battery; embodies all of the essential features of Martin's famous Auto-plex.

Scientifically constructed, it will carry on the longest of circuits.

Its signals can instantly be made light or heavy, slow or fast.

Its touch is easy and elastic, and adjustable to suit the sender.

IT IS EASY TO LEARN—A PLEASURE TO USE.

If you have lost your grip—
If it tires you to work the Morse key—
If you have a heavy, exacting sending trick—
If you wish to send perfect Morse at any speed,

Write for circulars containing description and testimonials.

You Need a

VIBROPLEX

For it makes the dots.

UNITED ELECTRICAL MANUFACTURING CO., Inc.
53 Vesey Street New York

W6SFM BUG ROUNDUP

Date: 4:00 PM PST Friday November 14, 2025 until 3:59 PM PST Sunday November 16, 2025

Bands:
160m, 80m, 40m, 20m, 15m & 10m CW frequencies. X.030 MHz-X.035 MHz (IE 7.033 MHz).

Objective: Grab that bug, clean those contacts, and let'er fly! Let's hear that "Banana Boat/Erie Swing" or that commercial KPH/WCC quality fist.

Purpose

Switch off that keyer! Fill the ionosphere with home grown digital music and have some fun!

Sponsor:

The Samuel F. Morse Amateur Radio Club, W6SFM, a Sacramento, California based CW enthusiast club wanted a special time to bring bug operators together on the air. In the same spirit as ARRL's Straight Key Night, participants are encouraged to make simple, conversational, "rag chew" QSOs using their bug type key. This is an opportunity to exercise, share and exhibit your personalized fist.

QSO Exchange:

Call "CQ BR" so folks know you are a Bug Roundup Participant.

Name, QTH, RST, plus your Bug manufacturer, model, age and any features or history about it.

More information at <https://www.w6sfm.org/bug-roundup>

MDARC General Meeting Minutes August 15, 2025

Held as a hybrid Zoom and in-person meeting

- 1. Call to Order:** The meeting was called to order at 7:00 pm by the MDARC president Larry Bradley KK6QPE.
- a. Welcome to all: Larry KK6QPE welcomed all attendees.
 - b. Pledge of Allegiance: This was made by attendees.
 - c. Safety, Exits, Rest Rooms: Larry KK6QPE indicated the positions of the emergency exits and restrooms.
 - d. Acknowledge new members: There were no new members.
 - e. Acknowledge visitors: There were no visitors.

2. Minutes from Last Meeting: The minutes from the July meeting were previously approved by the Board.

3. Reports from the Board: Larry KK6QPE asked if any Board Members had a report. There were no reports from Board members.

- a. Treasurer: Barbara Whysong K6WHY. The treasurer's report was displayed at the meeting [see August 2025 issue of *The Carrier*].

4. Committee Reports – Standing:

- a. Public Service: Larry Loomer KI6LNB announced the upcoming Public Service events, details of which can be found on the Public Service page of the MDARC website.
- b. Field Day: Larry Loomer KI6LNB stated that the points received for the Field Day activities have been published in *The Carrier*.
- c. Membership: Jan Kulisek, KM6NFC. The membership report was displayed his report at the meeting.

5 Open to All Attendees:

Mike Patterson N6JGA announced that he had temporary possession of the free name tags and to see him for pickup tonight. Larry KK6QPE clarified that the name tags were only for those that responded to his email, asking any members who wanted a free nametag, to reply to him.

Pete Harris KE6ZIW announced that an 8-hour Technician class will be held at PACIFICON in October and requested that members promote this class to friends, family, neighbors and anyone who might be interested in obtaining an amateur radio license.

Barb K6WHY announced that she had just paid the deposit at the Back Forty Texas Barbecue for the Holiday Banquet on December 8th. The cost will be about \$80 per person. Any questions should be directed to Julie Mah WJ8MAH.

Larry KK6QPE announced that there will be an equipment raffle at the next General Meeting. He will provide a link to his One Drive account to show details of the equipment. He added that high value equipment will not be raffled off in this way and that any member with high value HAM equipment should advertise it on groups.io

6. Adjourn Business Meeting: The meeting was adjourned at 7:17 pm.

Raffle: Pie.

Speaker: Riley Hollingsworth, K4ZDH, ARRL Volunteer Monitor Program

Topic: ARRL & FCC

Respectfully submitted by:

Brian Lotter, KM6NGS

Secretary

MDARC Board of Directors Meeting September 1, 2025

Held at Zoom online

1. Call to Order: The meeting was called to order at 7:00 pm by Larry Bradley KK6QPE after it was determined that there was a quorum for conducting Club business.

2. Roll Call: Attendees via Zoom screen shots: Officers: Larry Bradley KK6QPE, President; Michael Papp WB6GJE, Vice President; Brian Lotter KM6NGS, Secretary; Barbara Whysong K6WHY, Treasurer; Mark Fehlig WA6NGC, Director at Large; Trevor Hall WA6JAU, Director at Large. Committee Chairs/Coordinator: Jim Tittle K6SOE, Grant Bowman K6CBK Guests: Mike Patterson N6JGA; Dave WA6UHA; John Rio N6RIO.

3. Approval of Minutes from Last Meeting: Barb K6WHY seconded by Trevor WA6JAU, proposed a motion to approve the August Minutes. The minutes of the August Board of Directors Meeting were approved.

4. Adopt Tonight's Agenda: The agenda was adopted since no objections were heard.

5. Officer Reports:

- a. President Larry Bradley KK6QPE – announced that his visit to Oregon has been pushed out, probably to November. He added that Concord will have an Emergency Preparedness Fair on September 4th at Todos Santos Plaza. Concord Auxiliary Radio Emergency Services (CARES) will have booth there.
- b. Vice-President Michael Papp WB6GJE – Had no Vice-President's report.
- c. Secretary Brian Lotter KM6NGS – Had no report.
- d. Treasurer Barbara Whysong K6WHY – Barbara presented her report.

6. Emergency Coordinator Report: Larry KI6LNB had no report.

7. Directors at Large Reports: NONE

8. Committee Reports:

- a. Auction: No report was expected.
- b. Communications Trailer: There was no report.
- c. Digital Media: Grant Bowman K6CBK had nothing to report.
- f. Education and Training: Larry KK6QPE reported that the Amateur Extra class has been completed and that license testing is scheduled for September 2nd. No auxiliary classes have been scheduled.
- g. Election Committee: Larry KK6QPE announced that he, Barb K6WHY and Benjo KA6BJS have all agreed to serve on the committee.
- h. Field Day: There was no report.
- i. Holiday Banquet: No report was expected.
- j. License Testing: No report.
- k. Membership: There was no report.
- l. Mesh Committee: There was no report.
- m. Outreach: No report.
- n. PACIFICON: There was no report.
- o. Programs: Michael WB6GJE announced that he has Rob Rowlands, [NZ6J](#) presenting the NanoVNA at the September meeting, Michelle Thompson for October at the Pacificon General Meeting, and for November he has Steve Stroe.
- p. Public Service: A list of events can be found on the MDARC website under the Public Service tab.
- q. Radio Lending Library: There was no report.
- r. Rocky Ridge Repeater (Tech): Jim K6SOE said that all equipment is running, they will have a meeting on September 6th and that there are no situations with the hardware, that need to be discussed.
- s. Scholarship: No report was expected.

9. Future Meetings:

General Meeting: 09/19/2025 will be a hybrid, in-person and online.
Board Meeting 10/06/2025 on Zoom only.

(continued on following page)

10. Unfinished Business:

10.1 Should we provide MDARC club name tags for new members, existing members, etc.: Brian KM6NGS reported that Mike N6JGA had handed out some of the badges at the last General meeting and that they will be available for pickup at the next General Meeting. Barbara confirmed that she has a placeholder, in the 2026 budget, for badges for new members and for Board members.

10.2 Has the webpage been updated? How can members indicate that they prefer to be anonymous? Barb stated that there is no place on the website where donors can be recognized so this update has been pushed out to November with a target for 2026.

10.3 Asset List: Inventory vs Asset? Dollar cutoff amount. STATUS REPORT; this has been deferred until later.

10.4 \$3,500 anonymous donation to MDARC: what to use it for, etc.; Barb reported that there is a balance of \$1246 that has not been allocated yet.

10.5 General Membership Meeting Format: Michael WB6GJE has confirmed that he will inform the Zoom admin whether the speaker will be in person or virtual.

10.6 October General Membership Meeting will be at PACIFICON on Friday 10/10/2025 instead of 10/17/2025: Michael WB6GJE confirmed that he has Michelle Thompson as the speaker.

10.7 Board Nametags: Nametags for Board Members will be deferred until after the election.

10.8 Repeater donations: Barb reported that for 2025, \$430 has been received and \$129 has been spent on miscellaneous hardware. Recurring expenses were not included in this discussion.

10.9 Renewing members nametag option: It was decided that this option will be offered for the 2026 registrations. A \$5 fee will be added to the registration/renewal fee if this option is selected. The nametags will need to be picked up at a meeting. There will only be one vendor. A new source of nametags was discussed. They are made by Harold KJ6WOF. Grant will contact him to see how to add him as a provider on our store.

11 New Business:

11.1 2026 Board Officers: Nominations and Election forthcoming: Larry KK6QPE announced that he will not be running for President in 2026 and advised other Board members to consider running again this year.

11.2 Using the ARRL Events app for PACIFICON, at a cost not to exceed \$2500: Barb K6WHY made a presentation of the ARRL App which would be used by attendees at PACIFICON. It will cost approximately \$2,500 per event. It will be free to attendees. ARRL will provide usage statistics to MDARC. There was some concern about the resources to supply the necessary information to ARRL in time for the 2025 PACIFICON so it was decided to consider 2026 instead. Barb K6WHY seconded by Brian KM6NGS, proposed a motion that we set aside up to \$2,500 in the 2026 budget for the ARRL events App. The motion passed 3:1.

11.3 Summary Log of Motions Passed/Not Passed: It was stated that Brian KM6NGS will do this for the years that he has been Secretary i.e. from 2021, older minutes will be sought.

12. Good of the order: Nothing was heard.

13. Adjournment:

Barb K6WHY seconded by Trevor WA6JAU, proposed a motion to adjourn. The motion was carried unanimously. Meeting Adjourned at 8:18 pm.

Respectfully submitted by
Brian Lotter KM6NGS
Secretary, September 28, 2025.

These meeting minutes were signed digitally due to the digital meeting.



Meeting
Minutes

ESTATE SALE

Astron VS-35M 2 to 15 volts 35 amp power supply \$160

Astron RS-35M 35 amp power supply \$180

Kenwood IF-232C computer interface \$20

Kenwood TS-2000 HF/VHF/UHF Transceiver \$800

Kenwood SP-23 external speaker for TS-450 \$100

Yaesu G-800DXA rotator controller only (no rotator) \$80

Diamond MX-72H HF-VHF/UHF Duplexer \$30

Vibroplex Keyer \$90

McElroy semi-automatic telegraph key \$150

**Reasonable offers for any of the above considered. Contact:
Kim Leong, N6YJ, 925-575-1941 or n6yj.qth@gmail.com**

Low-Cost Receivers for Digital Amateur Television Reception Available For Sale from Club Member KA3VDT

**These are DVB-S2 receivers pre-programmed for our club's 1.2 GHz W6CX
DATV repeater frequencies**

**Connect a 1.2 GHZ directional antenna, aim it at Mount Diablo's North
Peak and watch the over the air repeater signal on your video monitor**

**Please contact Will Roberts at ka3vdt@gmail.com or visit
<http://laser66.com/ham/>**

**To purchase a DATV transmitter, contact Fred Coe, WB6ASU, at
wb6asu@icloud.com**

HAM RADIO OUTLET®

WWW.HAMRADIO.COM

***Free Shipping and Fast Delivery!**



FTDX101MP | 200W HF/50MHz Transceiver

- Hybrid SDR Configuration • Unparalleled 70 dB Max. Attenuation VC-Tune • New Generation Scope Display 3DSS • ABI (Active Band Indicator) & MPVD (Multi-Purpose VFO Outer Dial) • PC Remote Control Software to Expand the Operating Range • Includes External Power With Matching Front Speaker



FTDX10 | HF/50MHz 100 W SDR Transceiver

- Narrow Band and Direct Sampling SDR • Down Conversion, 9MHz IF Roofing Filters Produce Excellent Shape Factor • 5" Full-Color Touch Panel w/3D Spectrum Stream • High Speed Auto Antenna Tuner • Microphone Amplifier w/3-Stage Parametric Equalizer • Remote Operation w/optional LAN Unit (SCU-LAN10)



FT-991A | HF/VHF/UHF All Mode Transceiver

Real-time Spectrum Scope with Automatic Scope Control • Multi-color waterfall display • State of the art 32-bit Digital Signal Processing System • 3kHz Roofing Filter for enhanced performance • 3.5 Inch Full Color TFT USB Capable • Internal Automatic Antenna Tuner • High Accuracy TCXO



FTDX101D | HF + 6M Transceiver

- Narrow Band SDR & Direct Sampling SDR • Crystal Roofing Filters Phenomenal Multi-Signal Receiving Characteristics • Unparalleled - 70dB Maximum Attenuation VC-Tune • 15 Separate (HAM 10 + GEN 5) Powerful Band Pass Filters • New Generation Scope Displays 3-Dimensional Spectrum Stream

FT-710 Field version also available!



FT-710 Aess | HF/50MHz 100W SDR Transceiver

- Unmatched SDR Receiving Performance • Band Pass Filters Dedicated for the Amateur Bands • High Res 4.3-inch TFT Color Touch Display • AESS: Acoustic Enhanced Speaker System with SP-40 For High-Fidelity Audio • Built-in High Speed Auto Antenna Tuner



FT-891 | HF+50 MHz All Mode Mobile Transceiver

Stable 100 Watt Output • 32-Bit IF DSP • Large Dot Matrix LCD Display with Quick Spectrum Scope • USB Port Allows Connection to a PC with a Single Cable • CAT Control, PTT/RTTY Control



Two versions available!

FT-3185RASP | Heavy-Duty 85W 2M FM Transceiver

- Massive Heatsink Ensures Reliable 85W RF Power • Super-DX Function Increases Receiver Sensitivity & Weak Signal Reception • 221 Memory Channels • Large 6-Character Alpha-Numeric Display



Two versions available!

FTM-150RASP | 2M/430MHz FM True Dual Band Xcvr

- Dual Receivers Allowing (V+V, U+U, V+U, U+V) Operation • 55W VHF & 50W UHF • Heavy Duty Heat Sink w/Funnel Air Convection Conductor • Front & Main Body Speaker for 6W High Quality Audio



Two versions available!

FTM-510DRASP C4FM/FM 144/430MHz Dual Band Xcvr

- New Super-DX & ASP (Audio Digital Signal Processor Unit) • True Dual Band Receive (V+V/U+U/V+U/V+V) • C4FM/C4FM Digital D-D Dual Receive • 2.4" High-Res Full-Color Touch-Panel Display • Wireless Operation Capability with Optional Bluetooth® Headset



FTX-1 Optima | HF/50/144/430MHz All Mode SDR Xcvr

- Detachable Field head For QRP SOTA/POTA Adventures • Attach Field Head to SPA-1 For 100 Watts (Base Operations) • SPA-1 Includes Internal HF Antenna Tuner • SSB, CW, AM, FM and C4FM Digital



FTX-1 Field | HF/50/144/430MHz All Mode SDR Xcvr

Compact QRP SOTA/POTA Xcvr (8.4"W, 3.5"H, 2.2"D) • 6W (5W for QRP) • Includes 6400mAh High Capacity Li-Ion Battery • SSB, CW, AM, FM and C4FM Digital • 10W of Power w/External Power Supply • Upgradable to 100W with Purchase of SPA-1



FT-70DR C4FM/FM 144/430MHz Xcvr

- System Fusion Compatible • Large Front Speaker delivers 700 mW of Loud Audio Output • Automatic Mode Select detects C4FM or Fm Analog and Switches Accordingly • Huge 1,105 Channel Memory Capacity • External DC Jack for DC Supply and Battery Charging

FT-5DR

C4FM/FM 144/430 MHz Dual Band

- High-Res Full-Color Touch Screen TFT LCD Display • Easy Hands-Free Operation w/Built-In Bluetooth® Unit • Built-In High Precision GPS Antenna • 1200/9600bps APRS Data Communications • Supports Simultaneous C4FM Digital • Micro SD Card Slot



VX-6R | VHF/UHF Dual Band Hand-Held

- Big-Radio Features in a Compact Package • Wide-band Receiver Coverage for Catching All the Action! • 900-Channel, 24-Banks Memory System • Outdoor-Ready Features including Waterproof Rating • Smart Search Automatic 31-Channel Scanning/Loading System



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*On most orders over \$100 in the continental US. (Rural locations excluded.) Contact HRO for promotion details. Toll-free including Hawaii, Alaska and Canada. All HRO 800-frees can assist you. If the first line you call is busy, you may call another. Prices, specifications and descriptions subject to change without notice.



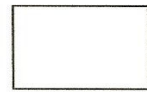
The Carrier

Newsletter of the Mt. Diablo Amateur Radio Club

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Pleasant Hill, CA 94523

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W6CX Nets

M-F 5:42 am Morning Muster 147.060+ 224.780- 441.325+

M-F 6:10am Commuter Net 147.060+ 224.780- 441.325+

Monday 8:00 pm SATERN Net 147.060+

Tuesday 7:30 pm Fat City 10 meter USB/CW Net 28.420 MHz

Tuesday 8:00pm Digital Practice Net 147.060+ 224.78- 441.325+

Wednesday 6:00pm American Legion Veteran's Net 147.060+

Wednesday 7:00 pm SKYWARN Net 147.060+

Wednesday 8:00pm Delta Amateur Radio Club Net 147.060+

Thursday 7:30 pm MDARC Club Net 147.060+

Thursday 8:00 pm Digital Amateur Television Net 147.060+

Contra Costa County Emergency Communications Nets Every Thursday

6:30 pm HF Countywide 3.893 MHz LSB

6:45 pm West County 145.110-- (82.5 PL)

7:00 pm Central County 145.680 Simplex

7:00 pm East County 146.535 Simplex

7:00 pm South County 147.480 Simplex

7:20 pm Countywide 145.490-- (107.2 PL)

or 147.735-- (107.2 PL)

or 145.410-- (107.2 PL)

Club Voice Repeaters (FM unless otherwise noted)

147.060 MHz + / PL 100Hz

224.780 MHz - / PL 77Hz 441.325 MHz + / PL 100Hz

EchoLink: W6CX-R /133896, IRLP: 3057

DMR Repeater 144.925 offset plus 2.5 MHz color code 1

D-STAR 145.000 offset plus 2.5 MHz

<https://w6cx.dstargateway.org/>

DATV Internet Stream: <http://w6cxatv.mdarc.org>

YouTube Channel: Media MDARC

Concord Auxiliary Radio Emergency Service (CARES)

Wednesday 8:00pm 147.405 Simplex

Digital Amateur Television Repeater

Digital ATV Output: 1244.500

Digital ATV Inputs: 1292.500, 1273.0, 917.0, 430.0

Analog ATV Input: 1270.000 FM (PL 192.8)

October and November 2025 Club Calendar

- | | | |
|---------------------------|--------|---|
| Friday October 10, 2025 | 7:00pm | MDARC General Meeting - (one week early) AT PACIFICON !
San Ramon Marriott Hotel, Bishop Ranch Salon E, 2600 Bishop Drive, San Ramon |
| Saturday November 1, 2025 | 8:00am | MDARC Technical Committee Meeting - VIA VIDEO CONFERENCE |
| Monday November 3, 2025 | 6:30pm | MDARC Board of Directors Meeting - VIA VIDEO CONFERENCE |
| Friday November 21, 2025 | 7:00pm | MDARC General Meeting - Our Saviors Lutheran Church
1035 Carol Lane, Lafayette |